In Chay Mechanism of Parturition Respectfully Sutmitted To the Faculty of the Homoespathie Medical College Thirtieth day of Faunaux One thousand eight hundred and fifty then Gev. Bolton L. Clay of Philadelphia. Sa.

many nations much in the advisor de

The Mechanism of Partuntine
In considering the Michanism of
Partuntion, we find three district agents
which we will consider separately.
The upulsure force, The passages and The
child.

I wist of the Expulsive Force. By the supersist force is meant, that, which causes the child to pass though the passages. The atens is the immediate agent in this expulsive force. By its contractions the contents are expelled. Atthough some authors deny the existence of musicular fibres in the atens, while it performs musticular action, and in the attorneed shapes of pregnancy, a campul dissection will show muscular fibres, although

they cannot be easily traced in the unimpigma ted State. The muscular action of the utered is involuntary; contractions many be brought on by holding the heath com - pulsing the aboominal muscles and bearing down, get when the contractions are brought on it is impossible for the pateent to prevent them; Get fright, anger, or anything exciting to the mind may put a stop to them at once, even when at their height. Contractions of the uterus many be brought on by initation; sometimes after the child is delivered, the uterns will not readily em - tract; by prichow or pussure us timally, or by the introduction of Something initating internally, contractions may be trought on and the utens will generally return to its nectural size.

By Pairis we mean the regular conwachous of the uterus, at distinct intervals; and not the suffering which they cause to the patient. During the first Stage of Labour these panis are called "Cutting or Griding", from their peculiar character, and are coursed by the resistance, which the circular fibres offer to the longitudinal, or the forcible disturtion of the od aten & passages. after a while the circular fitres are overcome; the os when and passages are dilated, and the longitudinal files alow are called into action, whence they are called Bearing down pains. These constitute the seeme stage of labour. It is during this stage, that the patient assists the contractions of

the uterus by calling the voluntary muscles into action, by bearing down de. During each pain the uterus becomes hard from the contractions of its places. The characteristic of true latour pains is the fact, that they gradually in-- cuase in Severity until they have reached their height, when they remain Stationary for a few minutes and then quetly subside; between each pain there is a distinct interval, when there is perfect predom from pain. Of has already been menhoned that augu, fright, or the entrance of a strange doctor, may be the cause of stopping the pains, which, when stopped, may be postponed for several days, after the contractions of the uterus

an fully established, the voluntary muscles are called into action and the patient has letter or no power over Second the Passages. Before going into an accurate description of the passages it will be better to mention the different diameters of the pelvis and their changes. The diameters of the brim are as follows. The autero Posterior 4/2 inches. The Fransverso 5 14 niches. The Oblique Inches. The draine tees of the outlet. anter Posterior 5 miches and Transverse 4 miches. By these meas wements it will be seen that the short diameter of the brim be - comes the long chameter of the outlet; and the long diameter of the him, the

Short deame to of the outhor. These changes are gradual. The Soft parts file up, about half an inch each way and puseut little or not obstacle to the passage of the Child. The next to be considered are the aughs. These are formed by the elecutes ation of the axes of the brim and outlet of the pelvis. An accurate knowledge of these is of great infortance. It the according

The first resistance the child meets with is the or ution. This is first coftened and lutricated by the mucous discharge, and then the bay of waters or Liquin aminit forming a wedge, gradually, ailate the part, until it is meanly of sufficient size to accompant the head of the child, when it heads, either naturally or by the assistance

In young females who have never born children, there is often much pain, and trouble, in dilating the external parts, there is also danger of the Penneum being lacerated. But this may generally be prevented by the acconcheur giving the proper assistance.

the three stages of Satours. The first ter - minates when the as utin is fully dilated and the head has overcome the first resistance and the head has overcome the first resistance. The second commences here and terminates when the external parts are dilated and the head has passed the external barrier, when there is little or no more trouble and the child is torn. The third is the dilivery of the Placenta which sometimes hereuts

quat difficulties. In ordinary cased a few minutes after the cord is cut, the Placenta wile be detached by the contractions of the uterus, when slight traction many he made upon the funis, and it will be delivered without trouble. The Child. He nest come to consider the part which the chila takes in the much ausin of Partinition. It is the object of Parhintion and purforms a pas. - sire part, by adjusting its elf to the ranous diameters of the pelvis; it accelerates, and readers labour easier, mishout this adaptation, the Child could not be delivered, in the natural way. We soil give what an considera the general diameters of a well former head. The lingstrudinal diameter is 14 1/2 inches, The transverses 4 inches, The

- pond to the vanous diameters of the brim and outlet of the pelois. Beside the fact of the different diameters of the head adjusting themselves to the consesponding diameters of the pelois, the composition of the head and tody of the child facilitates its expulsion through the passages.

Marry now consider the theory agents assisting in the mechanism of Partinition we will consider the Mechanism of Partinition whether this is meant the ranois presentations and the marmer in which seek may properly to a favourable termination. There are generally considered to be six presentations. That side of the pelois at which the heave appears at the lowest level is generally the one toward which the vertex or posterior

for anelle points. By feeling on the Scalp with the finger the segistral suture many he felt, and by tracing it, if it meets two other sections, and no more, we know that it is the posterior fortanelle. But if instead of their sections there be four with a soft membranous short selver them, of a quadrilaterae shape, we then know it to be the autino furanelle.

Ale agen in calling the first Presentation that in which the vertex or postino fortunelle is turned toward the left acetabuland. It is considered first because most frequently met with.

The Second is that in which the vertex is toward the right acetabulum, and the third in which the vertex is immediately behind the symphisis puts. These are called

the Occipits auticion from their position, The remaining these the Occipits Posterior, being first the reverse of the others, or when in the fourth the vertex is at the right Sain Chair lynchonorosis. On the fifth toward the left and in the pixth, when it is immediately at the from when of the Sacrum.

The First and Second pusentation and these most pully net with and most easily delivered. The others have to be cheryed to these positions generally, when the labour progresses easily.